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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/774,711	02/09/2004	Nidham Ben Rached	Q102215	9556		
72875 SUCHDUE MI	72875 7590 11/29/2007 SUGHRUE MION, PLLC			EXAMINER		
2100 Pennsylvania Avenue, N.W.		TRAN, KHANH C				
Washington, DC 20037			ART UNIT	PAPER NUMBER		
			2611	<del></del>		
			NOTIFICATION DATE	DELIVERY MODE		
			11/29/2007	ELECTRONIC		

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

USPTO@sughrue.com kghyndman@sughrue.com USPatDocketing@sughrue.com

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	Application No.	Applicant(s)			
	10/774,711	BEN RACHED ET AL.			
Notice of Allowability	Examiner	Art Unit			
	Khanh Tran	2611			
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communicat IGHTS. This application is subject	application. If not includion will be mailed in due	ed course. <b>THIS</b>		
1. $\boxtimes$ This communication is responsive to <u>.tThe Amendment file</u>	ed on 08/30/2007 .		•		
2. 🔀 The allowed claim(s) is/are <u>1-33</u> .					
<ol> <li>Acknowledgment is made of a claim for foreign priority ur</li> <li>a)</li></ol>	e been received. e been received in Application No		ition from the		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent application (PTO-152) which give			IOTICE OF		
<ul> <li>CORRECTED DRAWINGS (as "replacement sheets") must be submitted.</li> <li>(a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (dentifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).</li> <li>DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.</li> </ul>					
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	<ul> <li>5. ☐ Notice of Informa</li> <li>6. ☐ Interview Summa</li> <li>Paper No./Mail</li> <li>7. ☒ Examiner's Ame</li> <li>8. ☒ Examiner's State</li> </ul>	ary (PTO-413), Date	owance		
, , , , ,	9. Other  NH C. TRAN  RY EXAMINER				

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1. The Amendment filed on 08/30/2007 has been entered. Claims 1-33 are still pending in this Office action.

## **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Regarding claim 4, in line 5, "propagation paths" has been changed to -- propagation path --.

Regarding claim 12, in line 4, "a processing" has been changed to -- a processing --; in line 7, "25" has been changed deleted; in line 9, "applied" has been changed to -- applying --.

Regarding claim 15, in line 5, "propagation paths" has been changed to -propagation path --.

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Regarding claim 25, in line 2, "processing applied" has been changed to -processing applying --.

Regarding claim 26, in line 5, "propagation paths" has been changed to --propagation path --

## Response to Arguments

3. Applicant's arguments, see Applicants' Remarks, filed on 08/30/2007, with respect to claims 1-3, 5, 7-9, 11-14, 16, 18-20 and 22-33 have been fully considered and are persuasive. The rejection of claims 1-3, 5, 7-9, 11-14, 16, 18-20 and 22-33 has been withdrawn.

## Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

4. The present invention is directed to a method of signal processing for a spread spectrum digital radio communication receiver. Each independent claim identifies the uniquely distinct features "evaluation of a parameter of reliability of the calculated estimate" and "when the reliability parameter evaluated does not satisfy a confidence criterion, calculation of a refined estimate of the symbol by taking into account at least one additional propagation path from the sending means in the

processing applied to the radio signal received. The closest prior art of record, Cox et al. discloses an adaptive wireless communication receiver and Guillouard et al. US Patent Application Publication No. 2005/0063496 A1 discloses a method of selecting a receiving path and receiving device comprising several receiving paths, either singularly or in combination, fail to anticipate or render the above underlined limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Holtzman et al. U.S. Patent 6,404,760 B1.

Ogawa et al. US Patent Application Publication No. 2002/0024992 A1.

Ono US Patent Application Publication No. 2001/0009562 A1.

Arima US Patent Application Publication No. 2004/0091021 A1.

Gaal US Patent Application Publication No. 2004/0203475 A1.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Tran whose telephone number is 571-272-3007. The examiner can normally be reached on Monday - Friday from 08:00 AM - 05:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on 571-272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

**KCT** 

KHANH C. TRAN PRIMARY EXAMINER 11/26/2007 AU 2611